

## Freeform Search

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Term:	(phosphatidylcholine adj3 phosphatidylglycerol) adj5 (ratio)
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### Search History

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DATE: Tuesday, December 21, 2004   [Printable Copy](#)   [Create Case](#)**Set Name Query**

side by side

**Hit Count Set Name**

result set

*DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*L2   (phosphatidylcholine adj3 phosphatidylglycerol) adj5 (ratio)18   L2L1   (pc adj3 pg) adj5 ratio14   L1

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Generate Collection

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L1: Entry 10 of 14

File: USPT

Jul 31, 1990

DOCUMENT-IDENTIFIER: US 4944948 A

**\*\* See image for Certificate of Correction \*\***

TITLE: EGF/Liposome gel composition and method

Detailed Description Text (50):

According to one aspect of the invention, it has been found that EGF may be entrapped in negatively charged liposomes by surface adsorption, and that the binding affinity of EGF for the liposomes is effective to produce slow release of adsorbed peptide both in vitro and in vivo. In the binding study reported in Example 3, liposome gel compositions formed from either PC/PG (equal weight ratios) or PC/PG/cholesterol (equal weight ratios) were prepared as in Example 1. Increasing amounts of EGF (iodine radiolabeled) were added to aliquots of each of the two compositions, and the mixtures were allowed to equilibrate for one week at 4.degree. C. The ratio of bound to free EGF was determined from total radiolabel measured before and after centrifugation, and these values were plotted as a function of amount bound, yielding the plots in FIGS. 1 and 2 for the EPC/EPG and EPC/EPG/cholesterol compositions, respectively. Affinity constants  $K_{sub.d}$  were determined from these plots as described in Example 3. As seen from the two figures, the  $K_{sub.d}$  values are in the range  $1-2 \times 10^{-5}$  molar for both compositions.

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